Real Estate

Commercial markets: Demand-supply trends in top 7 cities



Sumit Kumar

sumit.kumar@jmfl.com | Tel.: (91 22) 66303089

We analysed the trends in commercial markets across seven major Indian cities as well as key micro-markets within each city (Source: Cushman and Wakefield) and found that: i) Overall vacancies were flat at 17.9% in 2QFY24 (17.9% in 1QFY23), and ii) Quoted rents were broadly steady across Grade A properties. Across the top 7 cities, 34msf of supply was delivered on an LTM basis (Exhibit 2) while net absorption was around c.33msf. Leasing activity is expected to get a further leg-up in the next 6-9 months on account of i) likely clarity on SEZ area (partial denotification and DESH Bill), ii) incremental work-from-office trends, and iii) India remaining the most favoured offshoring destination. We expect occupancy levels to improve slowly starting 2HFY25E and then gain momentum in FY26E. In our coverage universe, Mindspace REIT and Brookfield REIT both look attractive from a 'total returns' perspective.

- Vacancies bottomed out; demand remains healthy: We highlight that vacancies were flat at 17.9% in 2QFY24 (17.9% in 1QFY23; Exhibit 1) despite new supply of 34msf being delivered over the past 12 months (Exhibit 2). Demand remains healthy at c.33msf on a LTM basis; annual net absorption is, however, lower than supply.
- Stable occupancies at Bengaluru and Pune; supply glut impacting Hyderabad: Bengaluru and Pune are the most stable office markets in the country with the lowest vacancies at 11.4% and 10.5% respectively as of 2QFY24. Vacancy at Bengaluru has increased by 3.4ppt over 2QFY23 due to area addition of 10msf (+6% YoY) and net absorption of only 4msf during the same period. Vacancy levels at Pune have marginally declined over 2QFY23 (11.7%) as demand (5msf) was in line with supply (5msf; +8% YoY). Hyderabad, on the other hand, has seen massive supply (9msf LTM run-rate; +10% YoY) while demand remains at c. 7msf, resulting in vacancies inching upwards to 24% (14% in 1QFY22). However, within Hyderabad, the Madhapur micro-market (location of Mindspace REIT's largest asset) has a vacancy of 14% (8% vacancy in Madhapur park), indicating a healthy trend for the existing REIT asset. We highlight the high vacancies across MMR / Delhi NCR / Kolkata of 20% / 24% / 25%, although a large part of this is in standalone and strata-sold buildings.
- Major REIT micro-markets stable QoQ: Excluding Madhapur, Hyderabad, vacancies at all other key REIT micro-markets (Thane Belapur (MMR), Outer Ring Road (Bengaluru) and Cyber City region (Gurgaon)) have largely been stable QoQ (Exhibit 33). As of 2QFY24, the REIT parks (excluding Embassy Manyata where 1msf was added in 2QFY24) have lower vacancies compared to their respective micro-markets. These assets are the preferred destinations for grade-A occupiers as they are large format office campuses, with Grade-A construction and ample amenities, delivering a superior occupier experience. This superior occupier experience works as a competitive advantage in favour of the REITs/Tier 1 landlords.
- Key takeaways from the conference: The consensus view amongst the major office owners (Embassy, Mindspace, Brookfield, Brigade and Prestige) was that expiries should decline, going forward, and occupancies should start inching upwards from 1QFY25, as net leasing turns positive. These elevated expiries were largely led by space rationalisation carried out (now largely complete) by IT/leS companies. On the other hand, the three Indian office REITs have witnessed healthy leasing as global captive centres (GCCs) have emerged as a prominent driver for commercial office absorption. Across the three REITs, c. 75% of the vacancies are in the SEZ spaces and this will likely improve once the laws are amended to allow partial denotification of SEZs.
- Preferred picks: In our coverage universe, Mindspace REIT (BUY-rated with a Sep'24TP of INR 345; total return potential of 15%) and Brookfield REIT (BUY-rated with a Sep'24TP of INR 280; total return potential of 25%) look attractive from a 'total returns' perspective.

JM Financial Research is also available on: Bloomberg - JMFR <GO>, Thomson Publisher & Reuters, S&P Capital IQ, FactSet and Visible Alpha

Please see Appendix I at the end of this report for Important Disclosures and Disclaimers and Research Analyst Certification.

Top 7 Cities

Exhibit 1. Vacancies in t	op seven	cities												
Vacancy (%)	1QFY21	2QFY21	3QFY21	4QFY21	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Bengaluru	6.5%	8.0%	8.1%	9.0%	9.3%	8.9%	9.0%	9.6%	8.2%	8.0%	9.5%	9.5%	10.8%	11.4%
Hyderabad	6.7%	8.3%	8.4%	13.0%	14.0%	13.3%	15.1%	17.3%	19.5%	21.8%	21.1%	20.7%	23.8%	23.8%
Pune	5.5%	5.9%	7.2%	6.7%	6.5%	6.9%	8.5%	10.7%	12.5%	11.7%	11.6%	10.7%	9.7%	10.5%
Mumbai	18.8%	19.8%	20.9%	21.1%	22.1%	22.8%	23.1%	23.8%	23.1%	23.2%	21.0%	20.4%	20.2%	19.6%
Delhi NCR	24.0%	24.0%	25.1%	26.4%	26.6%	27.7%	26.7%	26.6%	26.1%	27.0%	25.6%	25.2%	24.6%	23.9%
Kolkata	33.5%	32.5%	32.7%	32.3%	32.2%	31.9%	31.1%	30.6%	29.9%	29.2%	29.0%	29.0%	28.6%	25.4%
Chennai	9.3%	9.1%	11.7%	11.4%	11.4%	12.1%	11.7%	13.6%	16.3%	16.4%	15.1%	14.3%	15.7%	16.6%
Total	13.8%	14.4%	15.2%	16.2%	16.6%	16.9%	17.0%	17.9%	17.9%	18.3%	17.8%	17.4%	18.0%	17.9%

Source: Cushman and Wakefield, JM Financial

Exhibit 2. 34msf of area	added si	nce 2QF	Y23											
City wise Inventory (msf)	1QFY21	2QFY21	3QFY21	4QFY21	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Bengaluru	148	152	154	156	158	159	163	166	168	172	174	174	179	182
Hyderabad	62	65	66	70	72	73	77	80	84	88	90	90	95	97
Pune	53	54	55	55	55	55	57	59	62	63	64	65	66	67
Mumbai	98	98	100	101	103	105	106	107	107	109	109	109	109	110
Delhi NCR	116	116	119	122	122	125	125	127	128	131	133	134	134	135
Kolkata	26	26	26	26	26	26	26	26	26	26	26	27	27	28
Chennai	51	51	54	54	54	55	55	56	58	60	60	60	62	63
Total	555	562	575	583	591	597	609	622	635	648	656	659	672	683

Source: Cushman and Wakefield, JM Financial

Exhibit 3. Quarterly office	absorpt	tion tren	ds											
Quarterly Net Absorption (msf)	1QFY21	2QFY21	3QFY21	4QFY21	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Bengaluru	-0.1	1.7	1.9	1.7	1.4	1.1	3.5	1.8	4.8	3.7	0.2	1.5	0.6	1.8
Hyderabad	1.8	1.1	1.7	0.6	0.9	1.6	2.5	0.6	1.5	1.2	2.2	1.6	1.5	1.7
Pune	0.1	0.2	0.6	0.3	0.2	0.1	0.6	1.4	0.5	0.9	1.2	1.6	1.2	0.9
Mumbai	1.6	-0.3	0.4	0.2	1.0	0.2	0.5	0.6	0.8	0.7	2.7	0.7	0.5	1.1
Delhi NCR	-0.3	0.1	0.8	0.4	0.1	0.8	1.4	1.3	1.3	1.3	3.2	1.7	0.9	1.2
Kolkata	0.1	0.0	0.0	0.2	0.0	0.1	0.2	0.1	0.4	0.0	0.3	0.6	0.2	0.3
Chennai	0.0	0.1	1.2	0.1	0.0	0.3	0.3	0.5	0.2	0.9	1.1	0.5	0.9	0.6
Total	3.1	2.9	6.5	3.6	3.6	4.2	8.9	6.4	9.5	8.7	10.8	8.1	5.9	7.7

Source: Cushman and Wakefield, JM Financial

Exhibit 4. Average cir	ty wise in-pla	ace renta	ls											
Rent (INR psf pm)	1QFY21	2QFY21	3QFY21	4QFY21	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Bengaluru	82	83	83	83	83	83	83	83	83	83	83	83	83	83
Hyderabad	62	61	61	61	61	61	61	61	61	61	61	61	65	65
Pune	71	71	71	71	71	71	71	72	74	75	75	75	76	75
Mumbai	122	120	120	120	120	119	119	117	118	119	119	120	120	121
Delhi NCR	65	65	65	64	64	63	62	62	62	62	62	63	64	64
Kolkata	47	47	48	48	48	48	48	48	48	48	49	49	48	49
Chennai	58	58	57	62	58	57	57	58	58	58	58	59	59	59

Bengaluru

Supply: In 2QFY24, Bengaluru added a supply of 3.2msf of Grade-A office inventory, which came with limited pre-commitments. Another c. 4msf of new supply is likely to be completed by 3QFY24.

Leasing: Net absorption significantly increased QoQ to 1.8msf in 2QFY24, owing to steady leasing and operationalisation of a few projects which enjoyed healthy pre-commitments. Leasing is expected to remain strong in the short term as several developments with pre-committed spaces are expected to enter the market.

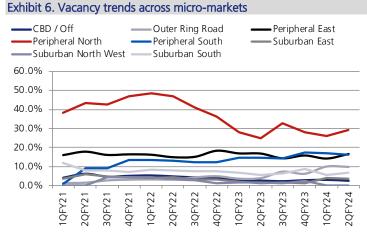
Vacancy: Vacancy increased to 11.4% (+60bps QoQ) on the back of new supply addition. This trend is likely to continue in the coming quarters due to robust supply addition.

Rent: Despite a QoQ vacancy increase at the city level, rentals remained range-bound, and this momentum is likely to sustain in the near term.

Key listed stocks: Embassy REIT, Prestige, and Brigade have a large exposure to the Bengaluru office market.



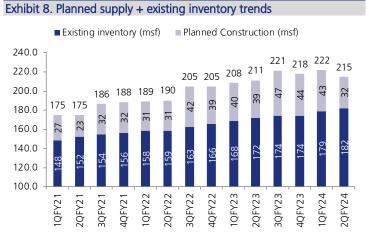
Source: Cushman and Wakefield, JM Financial



Source: Cushman and Wakefield, JM Financial

Exhibit 7. Total absorption in the city ■ Total absorption (msf) 4.8 5.0 4.0 3.0 1.8 2.0 1.0 -0.1 -1.0 1QFY24 3QFY22 1QFY23 2QFY24 4QFY22 1QFY21 2QFY21 4QFY21 3QFY2

Source: Cushman and Wakefield, JM Financial



Hyderabad

Supply: In 2QFY24, Hyderabad added 2.2msf of new supply (declined 58% QoQ), while for 9MCY23 supply stood at 8.1msf. Another 5-6msf is estimated to be added in 3QFY24.

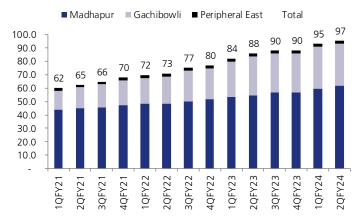
Leasing: Gross leasing in 2QFY24 came in at 2.44msf; as a result, Hyderabad witnessed a healthy net absorption of c. 1.7msf.

Vacancy: City wide vacancy was flat at 23.8% in 2QFY24, as area addition was offset by healthy leasing. Vacancy levels at Madhapur recorded a rise of 1.2ppt QoQ, while vacancy levels in Gachibowli declined by 1.6ppt QoQ on the back of no new completions and healthy leasing activity.

Rent: Rentals were flat at INR 65psf pm.

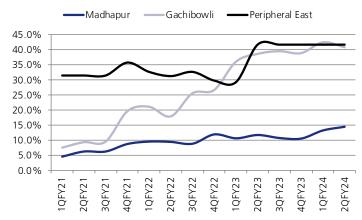
Key listed stocks: Mindspace REIT has a large exposure to the Madhapur micro-market in Hyderabad with the presence of a Right of First Offer asset also.

Exhibit 9. Madhapur is the largest market in Hyderabad



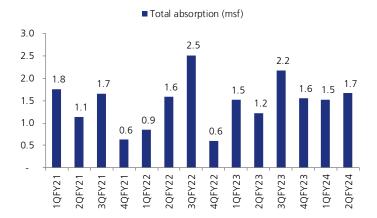
Source: Cushman and Wakefield, JM Financial

Exhibit 10. Vacancy trends across micro-markets



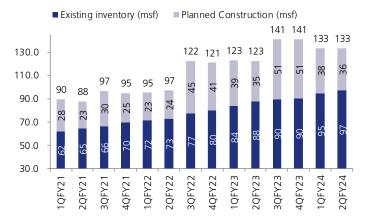
Source: Cushman and Wakefield, JM Financial

Exhibit 11. Total absorption in the city



Source: Cushman and Wakefield, JM Financial

Exhibit 12. Planned supply + existing inventory trends



Mumbai Metropolitan Region (MMR)

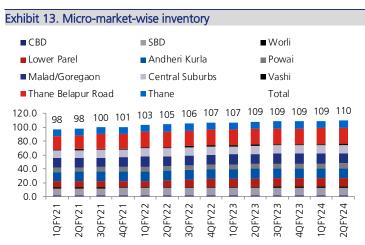
Supply: New additions were 0.6msf in 2QFY24 but ~4.7msf of new supply is anticipated in the next 6 months (~30% pre-committed). Supply of ~16.70msf is expected to come in from 3QFY24 to 4QFY26, majorly in Andheri-Kurla, Malad, Goregaon and Thane-Belapur Road micro-markets.

Leasing: Witnessed gross leasing of 3.5msf (down 19% YoY; +27% QoQ) in 2QFY24. Net absorption of 1.1msf was achieved in 2QFY24 driven by fresh leasing activity in key city sub markets.

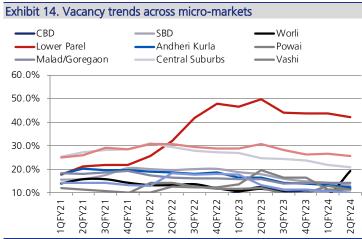
Vacancy: Overall vacancy has fallen to 19.6% (down 60bps QoQ) as of 2QFY24.

Rent: Overall city-wide market rentals have witnessed a slight uptick (INR 121psf pm; +1% QoQ).

Key listed stocks: Mindspace REIT, Brookfield REIT and Embassy REIT have a large exposure to the MMR office market. Listed real estate companies namely Oberoi Realty, Macrotech Developers and Phoenix Mills also have some exposure to CRE in MMR.

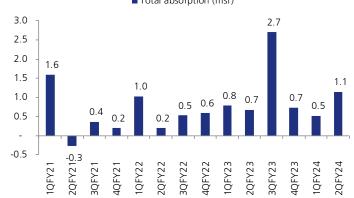






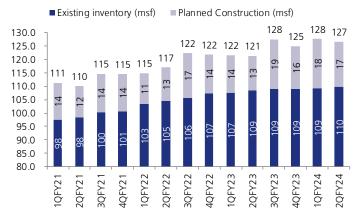
Source: Cushman and Wakefield, JM Financial

Exhibit 15. Net absorption in line with the average of last 2 years Total absorption (msf)



Source: Cushman and Wakefield, JM Financial

Exhibit 16. Planned supply + existing inventory trends



Delhi NCR

Supply: c. 0.4msf of area was added in 2QFY24; however, 15.5msf is expected to be added by FY26.

Leasing: Gross leasing stood at 3.4msf (down 11% YoY; down 4% QoQ) in 2QFY24 while net absorption was 1.2msf. Fresh leases accounted for majority of the demand, holding a share of 59%, followed by pre-commitments and term renewals with 33% and 8% shares respectively.

Vacancy: Vacancy levels declined to 23.9% as of 2QFY24 (down 66bps QoQ, down 290bps YoY) due to strong leasing activity primarily driven by fresh leases.

Rent: City level rentals slightly increased to INR 64.3psf pm (+2.9% YoY, +1.2% QoQ).

Key listed stocks: DLF, Brookfield REIT and Embassy REIT have an exposure to the Delhi NCR office market.

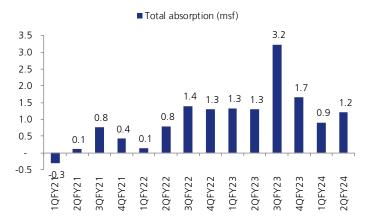






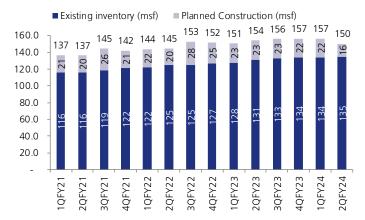
Source: Cushman and Wakefield, JM Financial

Exhibit 19. Total absorption in the city



Source: Cushman and Wakefield, JM Financial

Exhibit 20. Planned supply + existing inventory trends



Pune

Supply: In 2QFY24 1.6msf of area was added in Pune, the highest in the last 5 quarters. It is expected that c. 13.9msf of new supply will come in the next 18-24 months. Most of this upcoming supply is expected in the SBD East (47%) and PBD West (26%) submarkets.

Leasing: Gross leasing stood at c. 1msf in 2QFY24 (down 40% YoY; down 66% QoQ) largely due to a slowdown in CRE decision making process among key tenant occupiers. Net absorption for the quarter was 0.9msf.

Vacancy: Overall city-wide vacancy witnessed an 85bps rise to 10.5% in 2QFY24 due to a spike in quarterly supply.

Rent: Rentals have remained stable and are expected to be range bound in the upcoming quarters.

Key listed stocks: Mindspace REIT and Embassy REIT have exposure to the Pune office market.

Exhibit 21. Micro-market-wise inventory ■ CBD ■ SBD East ■ SBD West ■ PBD East PRD West 70.0 65 63 59 57 60.0 55 55 55 55 53 54 50.0 40.0 30.0 20.0 10.0 1QFY23 2QFY23 1QFY24 2QFY24 QFY22 2QFY21 3QFY21 4QFY21 **2QFY22** IQFY21

Source: Cushman and Wakefield, JM Financial

Source: Cushman and Wakefield, JM Financial



Source: Cushman and Wakefield, JM Financial



Chennai

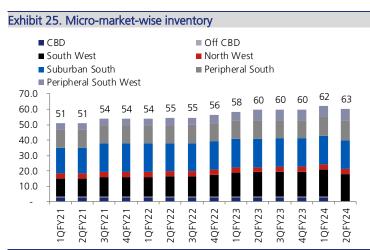
Supply: Chennai has an upcoming supply of around c. 14msf over the next 2 years. 1.4msf of Grade A office was added in 2QFY24.

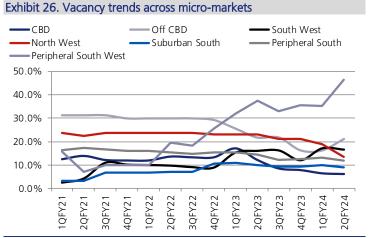
Leasing: Gross leasing stood at 1.8msf in 2QFY24 (down 7% YoY; +14% QoQ) led by new leasing, which has a share of 68%. Net absorption came in at 0.6msf driven by fresh space take-up.

Vacancy: In 2QFY24, city wide vacancy marginally increased to 16.6% (+86bps QoQ) due to the new supply addition in the peripheral south-west submarket.

Rent: Rentals increased slightly across most markets, resulting in a marginal rise in overall rentals.

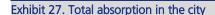
Key listed stocks: DLF and Brigade have exposure to the Chennai office market.

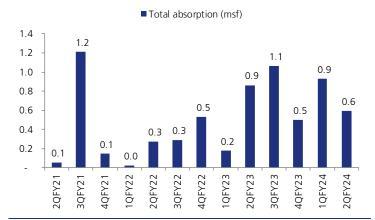




Source: Cushman and Wakefield, JM Financial

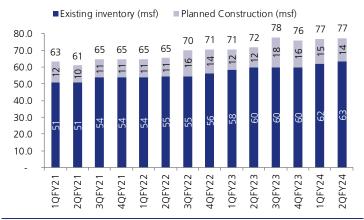
Source: Cushman and Wakefield, JM Financial





Source: Cushman and Wakefield, JM Financial

Exhibit 28. Planned supply + existing inventory trends



Kolkata

Supply: After a long time, supply addition hit 1msf in 2QFY24. The shortage of quality grade-A offices will be addressed soon in Kolkata.

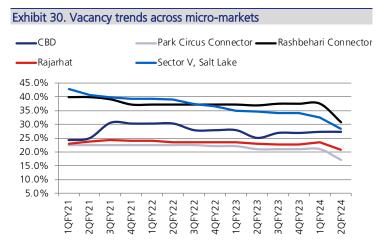
Leasing: In 2QFY24, demand for office spaces was healthy with gross leasing of 0.41msf (+40% YoY, +87% QoQ).

Vacancy: Overall vacancy declined to 25.4% in 2QFY24 (29.2% in 2QFY23, down 320bps QoQ) as supply remained low.

Rent: Rents were largely unchanged, despite a shortage of supply and improving demand.

Key listed stocks: Brookfield REIT has a large exposure to the Kolkata office market.

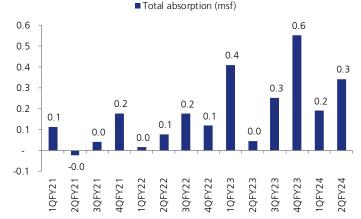
Exhibit 29. Micro-market-wise inventory CBD ■ Park Circus Connector ■ Rashbehari Connector ■ Sector V, Salt Lake Rajarhat 30.0 26 27 26 26 26 26 26 26 26 26 26 26 25.0 20.0 15.0 10.0 5.0 2QFY22 3QFY22 1QFY23 2QFY23 3QFY23 1QFY24 2QFY24 2QFY21 3QFY21 IQFY22 4QFY21



Source: Cushman and Wakefield, JM Financial

Source: Cushman and Wakefield, JM Financial





Source: Cushman and Wakefield, JM Financial

Exhibit 32. Planned supply + existing inventory trends



Key REIT Markets

Exhibit 33. Occupancy levels in k	cey REIT micr	o-markets								
Key REIT Markets / Assets Vacancy	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Embassy REIT										
Embassy Manyata	93.7%	91.8%	88.2%	88.3%	87.0%	88.0%	89.0%	89.0%	91.0%	81.0%
Outer Ring Road, Bengaluru Area	96.8%	96.8%	95.7%	95.1%	96.4%	96.1%	92.7%	93.8%	90.0%	90.2%
Mindspace REIT										
Mindspace Madhapur	90.1%	91.2%	89.6%	89.6%	90.6%	92.2%	94.5%	95.4%	95.8%	91.9%
Madhapur, Hyderabad	90.5%	90.6%	91.2%	88.1%	89.4%	88.3%	89.3%	89.5%	86.8%	85.6%
Mindspace Airoli East	89.1%	88.1%	86.8%	86.3%	88.3%	88.2%	88.3%	88.3%	86.4%	82.7%
Mindspace Airoli West	68.6%	66.8%	67.3%	66.0%	67.2%	68.7%	69.6%	70.7%	72.6%	72.6%
Thane Belapur Road, Mumbai Area	69.1%	69.3%	70.4%	71.2%	71.3%	69.3%	71.9%	73.8%	73.5%	74.4%
Brookfield REIT / DLF										
Brookfield Gurgaon G2	89.0%	81.0%	81.0%	83.0%	85.0%	85.0%	84.0%	85.0%	84.0%	72.5%
DLF Cyber City	83.0%	83.0%	84.0%	89.0%	89.0%	90.0%	91.0%	92.0%	92.0%	96.0%
DLF Cyber SEZ	91.0%	91.0%	93.0%	88.0%	87.0%	87.0%	86.0%	83.0%	82.0%	86.0%
DLF Cyber Park	92.0%	93.0%	95.0%	99.0%	99.0%	99.0%	98.0%	98.0%	99.0%	99.0%
Cyber City (Nearby area)	92.1%	91.8%	92.7%	93.5%	94.6%	85.3%	91.1%	93.5%	95.0%	96.3%

Source: Company, JM Financial

Particulars	1QFY22	2QFY22	3QFY22	4QFY22	1QFY23	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Embassy	89%	89%	87%	87%	87%	87%	86%	86%	85%	83%
Mumbai	81%	81%	84%	82%	83%	86%	87%	90%	91%	96%
Gurgaon	NA	NΑ								
Noida	84%	84%	79%	79%	79%	79%	79%	77%	65%	62%
Bengaluru	94%	94%	92%	92%	92%	93%	93%	92%	94%	89%
Hyderabad	NA	NΑ								
Pune	74%	75%	74%	75%	74%	72%	65%	66%	66%	69%
Chennai	NA	NΑ								
Kolkata	NA	NΑ								
Mindspace	84%	85%	85%	84%	86%	87%	88%	89%	89%	87%
Mumbai	81%	80%	80%	79%	79%	80%	80%	81%	81%	79%
Gurgaon	NA	NΑ								
Noida	NA	NΑ								
Bengaluru	NA	NΑ								
Hyderabad	89%	91%	89%	88%	88%	91%	91%	92%	93%	89%
Pune	97%	96%	98%	98%	98%	99%	99%	100%	97%	100%
Chennai	8%	17%	30%	37%	37%	60%	94%	94%	97%	80%
Kolkata	NA									
Brookfield	84%	82%	83%	83%	83%	84%	83%	84%	82%	80%
Mumbai	82%	82%	87%	90%	95%	95%	90%	87%	79%	87%
Gurgaon	89%	81%	81%	83%	85%	85%	84%	85%	84%	73%
Noida	68%	68%	78%	79%	79%	81%	84%	86%	84%	84%
Bengaluru	NA	NΑ								
Hyderabad	NA	NΑ								
Pune	NA	NΑ								
Chennai	NA	NΑ								
Kolkata	91%	88%	87%	84%	84%	84%	82%	84%	83%	83%

Source: Company, JM Financial

Valuation

Exhibit 35. Embassy REIT Sep'24 TP	
Sep'24 TP	Sep'24
Enterprise Value (Rs mn)	472,843
Less: Net debt	153,631
Equity Value (INR mn)	319,212
Shares Outstanding (mn)	948
Target Price (INR)	340
CMP	319
Upside (%)	7%
Source: Company, JM Financial	

Exhibit 36. Embassy REIT total returns	
Total Return till Sep'24	(%)
Capital Appreciation	6.6%
Dividend Received	7.3%
Total	13.8%
Source: Company, JM Financial	

Exhibit 37. Mindspace REIT Sep'24 TP	
Sep'24 TP	INR mn
Enterprise Value	271,313
Less: Net debt	68,147
Equity Value	203,167
Shares Outstanding (mn)	593
Target Price (INR)	345
CMP	317
Upside (%)	9%

Exhibit 38. Mindspace REIT total returns	
Total Return till Sep'24	(%)
Capital Appreciation	8.8%
Dividend Received	6.6%
Total	15.4%
Source: Company, JM Financial	

Exhibit 39. Brookfield REIT Sep'24 TP	
Sep'24 TP	Sep'24
Enterprise Value (Rs mn)	255,165
Less: Net debt	95,687
Adj. for GIC stake	34,534
Equity Value (INR mn)	124,944
Shares Outstanding (mn)	439
Target Price (INR)	280
CMP	240
Upside (%)	17%
Source: Company, JM Financial	

Exhibit 40. Brookfield REIT total returns	
Total Return till Sep'24	(%)
Capital Appreciation	16.7%
Dividend Received	7.9%
Total	24.6%

JM Financial Institutional Securities Limited

APPENDIX I

JM Financial Institutional Securities Limited

Corporate Identity Number: U67100MH2017PLC296081

Member of BSE Ltd. and National Stock Exchange of India Ltd.

SEBI Registration Nos.: Stock Broker - INZ000163434, Research Analyst - INH000000610

Registered Office: 7th Floor, Cnergy, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India.

Board: +91 22 6630 3030 | Fax: +91 22 6630 3488 | Email: jmfinancial.research@jmfl.com | www.jmfl.com

Compliance Officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1073 | Email: instcompliance@jmfl.com

Grievance officer: Mr. Sahil Salastekar | Tel: +91 22 6224 1073 | Email: instcompliance@jmfl.com

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Definition of ratings	
Rating	Meaning
Buy	Total expected returns of more than 10% for stocks with market capitalisation in excess of INR 200 billion and REITs* and more than 15% for all other stocks, over the next twelve months. Total expected return includes dividend yields.
Hold	Price expected to move in the range of 10% downside to 10% upside from the current market price for stocks with market capitalisation in excess of INR 200 billion and REITs* and in the range of 10% downside to 15% upside from the current market price for all other stocks, over the next twelve months.
Sell	Price expected to move downwards by more than 10% from the current market price over the next twelve months.

^{*} REITs refers to Real Estate Investment Trusts.

Research Analyst(s) Certification

The Research Analyst(s), with respect to each issuer and its securities covered by them in this research report, certify that:

All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and No part of his or her or their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

Important Disclosures

This research report has been prepared by JM Financial Institutional Securities Limited (JM Financial Institutional Securities) to provide information about the company(ies) and sector(s), if any, covered in the report and may be distributed by it and/or its associates solely for the purpose of information of the select recipient of this report. This report and/or any part thereof, may not be duplicated in any form and/or reproduced or redistributed without the prior written consent of JM Financial Institutional Securities. This report has been prepared independent of the companies covered herein.

JM Financial Institutional Securities is registered with the Securities and Exchange Board of India (SEBI) as a Research Analyst and a Stock Broker having trading memberships of the BSE Ltd. (BSE) and National Stock Exchange of India Ltd. (NSE). No material disciplinary action has been taken by SEBI against JM Financial Institutional Securities in the past two financial years which may impact the investment decision making of the investor. Registration granted by SEBI and certification from the National Institute of Securities Market (NISM) in no way guarantee performance of JM Financial Institutional Securities or provide any assurance of returns to investors.

JM Financial Institutional Securities renders stock broking services primarily to institutional investors and provides the research services to its institutional clients/investors. JM Financial Institutional Securities and its associates are part of a multi-service, integrated investment banking, investment management, brokerage and financing group. JM Financial Institutional Securities and/or its associates might have provided or may provide services in respect of managing offerings of securities, corporate finance, investment banking, mergers & acquisitions, broking, financing or any other advisory services to the company(ies) covered herein. JM Financial Institutional Securities and/or its associates might have received during the past twelve months or may receive compensation from the company(ies) mentioned in this report for rendering any of the above services.

JM Financial Institutional Securities and/or its associates, their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) covered under this report or (c) act as an advisor or lender/borrower to, or may have any financial interest in, such company(ies) or (d) considering the nature of business/activities that JM Financial Institutional Securities is engaged in, it may have potential conflict of interest at the time of publication of this report on the subject company(ies).

Neither JM Financial Institutional Securities nor its associates or the Research Analyst(s) named in this report or his/her relatives individually own one per cent or more securities of the company(ies) covered under this report, at the relevant date as specified in the SEBI (Research Analysts) Regulations, 2014.

The Research Analyst(s) principally responsible for the preparation of this research report and their immediate relatives are prohibited from buying or selling debt or equity securities, including but not limited to any option, right, warrant, future, long or short position issued by company(ies) covered under this report. The Research Analyst(s) principally responsible for the preparation of this research report or their immediate relatives (as defined under SEBI (Research Analysts) Regulations, 2014); (a) do not have any financial interest in the company(ies) covered under this report or (b) did not receive any compensation from the company(ies) covered under this report, or from any third party, in connection with this report or (c) do not have any other material conflict of interest at the time of publication of this report. Research Analyst(s) are not serving as an officer, director or employee of the company(ies) covered under this report.

While reasonable care has been taken in the preparation of this report, it does not purport to be a complete description of the securities, markets or developments referred to herein, and JM Financial Institutional Securities does not warrant its accuracy or completeness. JM Financial Institutional Securities may not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. This report is provided for information only and is not an investment advice and must not alone be taken as the basis for an investment decision.

This research report is based on the fundamental research/analysis conducted by the Research Analyst(s) named herein. Accordingly, this report has been prepared by studying/focusing on the fundamentals of the company(ies) covered in this report and other macro-economic factors. JM Financial Institutional Securities may have also issued or may issue, research reports and/or recommendations based on the technical/quantitative analysis of the company(ies) covered in this report by studying and using charts of the stock's price movement, trading volume and/or other volatility parameters. As a result, the views/recommendations expressed in such technical research reports could be inconsistent or even contrary to the views contained in this report.

The investment discussed or views expressed or recommendations/opinions given herein may not be suitable for all investors. The user assumes the entire risk of any use made of this information. The information contained herein may be changed without notice and JM Financial Institutional Securities reserves the right to make modifications and alterations to this statement as they may deem fit from time to time.

This report is neither an offer nor solicitation of an offer to buy and/or sell any securities mentioned herein and/or not an official confirmation of any transaction.

This report is not directed or intended for distribution to, or use by any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject JM Financial Institutional Securities and/or its affiliated company(ies) to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to a certain category of investors. Persons in whose possession this report may come, are required to inform themselves of and to observe such restrictions.

Additional disclosure only for U.S. persons: JM Financial Institutional Securities has entered into an agreement with JM Financial Securities, Inc. ("JM Financial Securities"), a U.S. registered broker-dealer and member of the Financial Industry Regulatory Authority ("FINRA") in order to conduct certain business in the United States in reliance on the exemption from U.S. broker-dealer registration provided by Rule 15a-6, promulgated under the U.S. Securities Exchange Act of 1934 (the "Exchange Act"), as amended, and as interpreted by the staff of the U.S. Securities and Exchange Commission ("SEC") (together "Rule 15a-6").

This research report is distributed in the United States by JM Financial Securities in compliance with Rule 15a-6, and as a "third party research report" for purposes of FINRA Rule 2241. In compliance with Rule 15a-6(a)(3) this research report is distributed only to "major U.S. institutional investors" as defined in Rule 15a-6 and is not intended for use by any person or entity that is not a major U.S. institutional investor. If you have received a copy of this research report and are not a major U.S. institutional investor, you are instructed not to read, rely on, or reproduce the contents hereof, and to destroy this research or return it to JM Financial Institutional Securities or to JM Financial Securities.

This research report is a product of JM Financial Institutional Securities, which is the employer of the research analyst(s) solely responsible for its content. The research analyst(s) preparing this research report is/are resident outside the United States and are not associated persons or employees of any U.S. registered broker-dealer. Therefore, the analyst(s) are not subject to supervision by a U.S. broker-dealer, or otherwise required to satisfy the regulatory licensing requirements of FINRA and may not be subject to the Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

Any U.S. person who is recipient of this report that wishes further information regarding, or to effect any transaction in, any of the securities discussed in this report, must contact, and deal directly through a U.S. registered representative affiliated with a broker-dealer registered with the SEC and a member of FINRA. In the U.S., JM Financial Institutional Securities has an affiliate, JM Financial Securities, Inc. located at 1325 Avenue of the Americas, 28th Floor, Office No. 2821, New York, New York 10019. Telephone +1 (332) 900 4958 which is registered with the SEC and is a member of FINRA and SIPC.

Additional disclosure only for U.K. persons: Neither JM Financial Institutional Securities nor any of its affiliates is authorised in the United Kingdom (U.K.) by the Financial Conduct Authority. As a result, this report is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the Financial Services and Markets Act 2000) in connection with the matters to which this report relates may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This report is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this report relates is available only to relevant persons and will be engaged in only with relevant persons.

Additional disclosure only for Canadian persons: This report is not, and under no circumstances is to be construed as, an advertisement or a public offering of the securities described herein in Canada or any province or territory thereof. Under no circumstances is this report to be construed as an offer to sell securities or as a solicitation of an offer to buy securities in any jurisdiction of Canada. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the registration requirement in the relevant province or territory of Canada in which such offer or sale is made. This report is not, and under no circumstances is it to be construed as, a prospectus or an offering memorandum. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed upon these materials, the information contained herein or the merits of the securities described herein and any representation to the contrary is an offence. If you are located in Canada, this report has been made available to you based on your representation that you are an "accredited investor" as such term is defined in National Instrument 45-106 Prospectus Exemptions and a "permitted client" as such term is defined in National Instrument 45-106 Prospectus Exemptions. Under no circumstances is the information contained herein to be construed as investment advice in any province or territory of Canada nor should it be construed as being tailored to the needs of the recipient. Canadian recipients are advised that JM Financial Securities, Inc., JM Financial Institutional Securities Limited, their affiliates and authorized agents are not responsible for, nor do they accept, any liability whatsoever for any direct or consequential loss arising from any use of this research report or